

REMARKS

The application has been amended so as to place it in condition for allowance at the time of the next Official Action.

There are no formal matters outstanding.

Previously-pending claim 5 has been amended to recite that the switch reluctance motor comprises a casing with an aperture and a stator mounted in the aperture, and that the aperture includes inwardly extending ribs spaced apart around the aperture and bearing against an outer surface of the stator. Support for these recitations can be found at least from drawing Figure 2.

Drawing Figure 2 is amended to label the newly-recited elements. The specification has also been amended to provide antecedent basis, within the specification, for the new claim recitations.

Claims 5-6 were rejected under §103 as obvious over INABA 4,133,230 in view of BETH (EP 0 709 155).

The motor driven machine comprising the new recitations of a switch reluctance motor comprising a casing with an aperture and a stator mounted in the aperture, the apertures including inwardly extending ribs spaced apart around the aperture and bearing against an outer surface of the stator, are believed to be non-obvious of the prior art taken either individually or in combination.

The recited ribs act to minimize vibrations which are inherent in a switched reluctance motor. The vibrations result from motor rotation and cause flex of, in particular, the motor housing. Applicant is unaware of any prior art teaching of the recited structure or any appreciation that this structure will reduce vibrations in a switched reluctance motor.


In view of this, the obvious rejection is not believed to be viable. Reconsideration and withdrawal of the obviousness rejection and allowance of the pending claims are therefore respectfully requested.

Attached hereto is a marked-up version of the changes made to the claims. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Respectfully submitted,

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

Claims 1-4 (canceled).

Claim 5 has been amended as follows:

--5. (currently amended) A motor driven machine,  
comprising:

a switch reluctance motor comprising a casing with an  
aperture and a stator mounted in the aperture;

a motor spindle extending from the motor; and

a machine spindle formed as a unitary extension in the  
motor spindle,

the machine spindle being adapted to, in use, be  
attachable to a work piece, and

the aperture including inwardly extending ribs spaced  
apart around the aperture and bearing against an outer surface of  
the stator.--

--6. (new) The motor driven machine of claim 5,  
wherein,

the machine is a lathe with a bed,

the machine spindle is a headstock spindle, and

a longitudinal axis of the motor spindle and a  
longitudinal axis of the headstock spindle lie on substantially  
the same axis.--

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